

PTO/SB/21 (08-00)

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Under the Paperwork Reduction Ad	ct of 1995, no persons a	are required to re	Application Numb	· ·	nuless it displays a valid OMB control number.
TRAN	NSMITTA	۹L	Filing Date		August 20, 2003
F	ORM		First Named Inven		Steve R. Jones
(to be used for all co	orrespondence after i	nitial filing)	Group Art Unit		
		· · - ·	-Examiner Name—		
Total Number of Pa	ages in This Submissi	ion	Attorney Docket Nu	ımber]	NORTH-506A
		ENCL	OSURES (ch	neck al	il that apply)
Fee Transmittal Form Fee Attached Amendment / Reply After Final Affidavits/declar: Extension of Time Requ Express Abandonment X Information Disclosure Certified Copy of Priority	Request Statement	Drawing Licensin Petition Petition Provisio Power of Change Address Termina Reques	to Convert to a nal Application of Correspondence	C	to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Briot, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below): Certificate of Mailing and Return ostcard.
Document(s) Response to Missing Paincomplete Application Response to Mis under 37 CFR 1.	arts/	Remarks		-	
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I hereby certify that this corresp mail in an envelope addressed	ondence is being der	osited with th	ATE OF MAILING e United States Postal shington, DC 20231 on	Service	with sufficient postage as first class e: 12/8/2003
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Signature	1000		<u> </u>	Date	December 8, 2003

ATTORNEY DOCKET NO: NORTH-506A

TITLE: STRUCTURAL ASSEMBLIES USING INTEGRALLY MOLDED, AND WELDED MECHANICALLY LOCKING Z-PINS

Certificate of Mailing under 37 CFR 1.8 or 37 CFR 1.10

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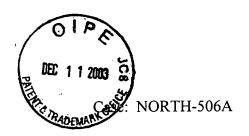
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Dawn A. Sacks

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- 1. Information Disclosure Statement (of 2 pages);
- Information Disclosure Statement by Applicant U.S. Patents (in duplicate);
- 3. U.S. Patent Disclosure Documents (of 12 stapled packets);
- 4. Information Disclosure Statement by Applicant Foreign (in duplicate);
- 5. Foreign Disclosure Documents (of 12 pages);
- 6. Information Disclosure Statement by Applicant Non-Patent (in duplicate);
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- 8. Certificate of Mailing; and
- 9. Return Postcard.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Northrop Grumman Corporation)
Serial No.:	10/644,424) Art Unit: Unknown
Filing Date:	August 20, 2003	-) - Examiner:-Unknown
For:	STRUCTURAL ASSEMBLIES USING INTEGRALLY MOLDED, AND WELDED MECHANICALLY LOCKING Z-PINS)
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INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. SECTION 1.97

Mail Stop DD Assistant Commissioner for Patents Post Office Box 1450 Alexandria, Virginia 22313-1450

Dear Sir/Madam:

Pursuant to 37 C.F.R. § 1.97, the following Information Disclosure Statement is submitted as listed on form PTO/SB/08A and 08B enclosed herewith in duplicate. Copies of all disclosure documents are attached hereto for the Examiner's review.

No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosure documents enclosed herewith and listed on the attached form (PTO/SB/08A and 08B) are printed in the English language and/or accompanied by an Abstract published in the English language.

The references listed herein, when taken alone or in combination are not believed to disclose nor make obvious the invention as claimed in the subject application.

As this Information Disclosure Statement is being submitted before the stipulated three

months from the filing date of the application and/or before the mailing of a first Office Action, it is believed that no fee is required.

If a fee is required, please charge Account Number 19-4330.

Respectfully submitted,

Dated:

10/8/03

By:

Bruce B. Brunda

Customer No. 007663 Registration No. 28,497

STETINA BRUNDA GARRED & BRUCKER

75 Enterprise, Suite 250 Aliso Viejo, CA 92656 (949) 855-1246

PTO/SB/08A (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute	e for form 1449A	PTO		Complete if Known				
				Application Number	10/644.424			
INFO	PHMATIO	N DISC	CLOSURE	Filing Date	August 20, 2003			
STA	TEMENT	BY AP	PLICANT	First Named Inventor	Steve R. Jones			
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Sheet	1	of	1	Attorney Docket Number	NORTH-506A			

		U.S. PAT	ENT DOCUMENTS	
Examiner Initials*	 Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
,	US-0066589 A1	04-10-2003	Benson et al.	
t ,	US- 5405467	04-11-1995	Young et al.	:
	US- 5736222	04-07-1998	Childress	
	US- 5863635	01-26-1999	Childress	
	US- 5876832	03-02-1999	Pannell	
	US-5919413	07-06-1999	Avila	• • •
	US- 5935698	08-10-1999	Pannell	
	US- 5968639	10-19-1999	Childress	
	US- 5972524	10-26-1999	Childress	
	US- 5980665	11-09-1999	Childress	
	US-6436507 B1	08-20-2002	Pannell	
	US-6514593 B1	02-04-2003	Jones et al.	
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Examiner Initials*	Cite No.1	Foreign Patent Document Country Code 3 - Number - Kind Code 5 (il known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Substitut	e for form 1449A	VPTO		C	omplete if Known	•
				Application Number	10/644.424	
INFO	PRMATIC	ON DISC	CLOSURE	Filing Date	August 20, 2003	
STA	TEMENT	BY AP	PLICANT	First Named Inventor	Steve R. Jones	
				Art Unit		
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		U.S. PAT	ENT DOCUMENTS	
Examiner Initials*	Cite No. 1 Number - Kind Code 2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US-0066589 A1	04-10-2003	Benson et al.	
	US- 5405467	04-11-1995	Young et al.	
	US- 5736222	04-07-1998	Childress	·
	US- 5863635	01-26-1999	Childress	
	US- 5876832	03-02-1999	Pannell	
	US- 5919413	07-06-1999	Avila	
	US- 5935698		Pannell	·
	US- 5968639	10-19-1999	Childress	
	US- 5972524	10-26-1999	Childress	•
	US- 5980665	11-09-1999	Childress	
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	US-6514593 B1	02-04-2003	Jones et al.	
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Cite No.1		Publication Date MM-DD-YYYY		Where Relevant Passages	T ⁶
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Signature	Considered	

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		e for form 1449A/			Application Number	10/644.424	
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Document Number Rublication Date Name of Patentee or Pages, Column							
Examiner Initials*	No. 1	Number-Kind Code 2 (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
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Examiner Initials*	Cite No.1	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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				Application Number	10/644.424	
INFC	RMATION	DI	SCLOSURE	Filing Date	August 20, 2003	
STA	TEMENT B	Υ	APPLICANT	First Named Inventor	Steve R. Jones	
•				Art Unit		
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Sheet	1	nf	1	Attorney Docket Number	NORTH-506A	_

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known,	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
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Examiner Initials*	Cite No.1		eign Patent Docum -Number ⁴ -Kind Code	ent	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Substitute for form 1449B/PTO
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Complete if Known

Application Number 10/644.424

Filing Date August 20, 2003

First Named Inventor Steve R. Jones

Group Art Unit

Examiner Name

Attorney Docket Number NORTH-506A

Sheet 1 of 0

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	-
		Torr Technologies, Inc. 1999 Catalog	
		Article: Considering Resin Transfer Molding? By Bob Lacovara (1995)	L
		Website: http://webpages.charter.net/dawill/tmoranwms/Casting_Molding.html: MOLDING OVERVIEW (printed 6/30/03)	
		Website: http://www.genfoundry.com/psc.html: Precision Sand Casting (printed 6/30/03)	
. <u>.</u>		Website: http://www.genfoundry.com/rpm.html: Rubber Plaster Molding (RPM) (printed 6/30/03)	
		Website: http://www.genfoundry.com/ic.html: Investment Casting (printed 6/30/03)	
		Website: http://www.genfoundry.com/post.html: Post Processes (printed 6/30/03)	
		Website: http://www.sfsa.org/tutorials/ice_cleat/icleat_03.htm: What is the Most Effective Casting Method? (1995)	
		Website: http://www.nasatech.com/Briefs/May98/NPO19918.html: Nearly Isotropic Resin-Transfer-Molded Composites (May 1998?)	
		Website: http://www.rtmcomposites.com/rtm.html: RTM (Resin Transfer Molding) (2003)	

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Complete if Known Substitute for form 1449B/PTO 10/644.424 **Application Number** INFORMATION DISCLOSURE August 20, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Steve R. Jones Group Art Unit (use_as many sheets as necessary) Examiner Name Attorney Docket Number NORTH-506A of Sheet

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
`		Torr Technologies, Inc. 1999 Catalog	
		Article: Considering Resin Transfer Molding? By Bob Lacovara (1995)	
		Website: http://webpages.charter.net/dawill/tmoranwms/Casting_Molding.html: MOLDING OVERVIEW (printed 6/30/03)	
		Website: http://www.genfoundry.com/psc.html: Precision Sand Casting (printed 6/30/03)	
		Website: http://www.genfoundry.com/rpm.html: Rubber Plaster Molding (RPM) (printed 6/30/03)	
		Website: http://www.genfoundry.com/ic.html: Investment Casting (printed 6/30/03)	
		Website: http://www.genfoundry.com/post.html: Post Processes (printed 6/30/03)	
		Website: http://www.sfsa.org/tutorials/ice_cleat/icleat_03.htm: What is the Most Effective Casting Method? (1995)	
		Website: http://www.nasatech.com/Briefs/May98/NPO19918.html: Nearly Isotropic Resin-Transfer-Molded Composites (May 1998?)	
		Website: http://www.rtmcomposites.com/rtm.html: RTM (Resin Transfer Molding) (2003)	

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